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PTO/SB/08A (08-00)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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~~Substitute for form 1449A/PTO~~

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 14

Complete if Known

Application Number 10/629,101
Filing Date July 28, 2003
First Named Inventor Tinku Acharya
Group Art Unit 2621
Examiner Name Joseph L. Couson
Attorney Docket Number 42P8760C

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	U.S. Patent Document Number	Kind Code* (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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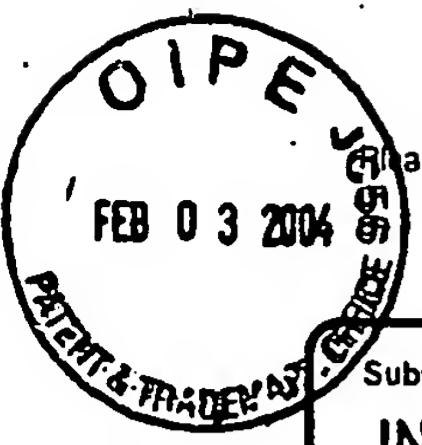
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Sheet

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of 14.

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:107629.101

July 28, 2003

July 26, 2005
Tinku Acharya

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÷ 2631

1262

Jose L. Cousiño

42P8760C

U.S. PATENT DOCUMENTS

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15/20/08

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 14

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/629,101
				Filing Date	July 28, 2003
				First Named Inventor	Tinku Acharya
				Art Unit	2621
				Examiner Name	Jose L. Couso
				Attorney Docket Number	42P8760C
Sheet	3	of	14		

U.S. PATENT DOCUMENTS

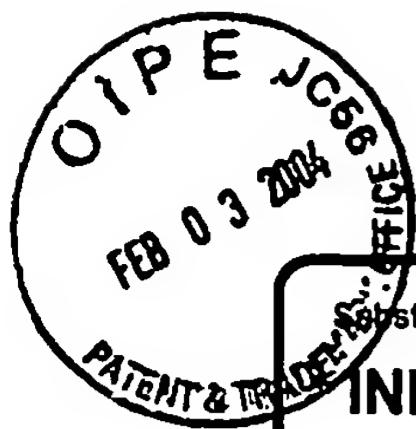
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 14

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Application Number	10/629,101
Filing Date	July 28, 2003
First Named Inventor	Tinku Acharya
Art Unit	2621
Examiner Name	Jose L. Couso
Attorney Docket Number	42P8760C

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Table 17. *Per cent (0-100) as measured by Blankley, Cochran, Taylor & Ziegler.*



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Sheet 5 of 14

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Application Number	10/629,101
Filing Date	July 28, 2003
First Named Inventor	Tinku Acharya
Group Art Unit	2621
Examiner Name	Jose L. Couso
Attorney Docket Number	42P8760C

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials * Cite No. * Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. T²

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 6 of 14

Complete if Known

Application Number 10/629,101
Filing Date July 28, 2003
First Named Inventor Tinku Acharya
Group Art Unit 2621
Examiner Name Jose L. Couso
Attorney Docket Number 42P8760C

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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Sheet 7 of 14

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Application Number	10/629,101
Filing Date	July 28, 2003
First Named Inventor	Tinku Acharya
Group Art Unit	2621
Examiner Name	Jose L. Couso
Attorney/Docket Number	42P8760C

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. [†]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		TAN, ET AL., "METHOD AND APPARATUS FOR ADAPTIVELY SHARPENING LOCAL IMAGE CONTENT OF AN IMAGE", Application No. 09/328.935, Filed: June 9, 1999, Attorney Docket No. 042390.P7125, 29 Pgs.
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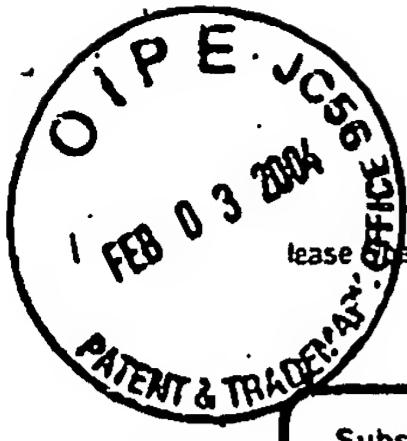
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Sheet 9 of 14

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Application Number	10/629,101
Filing Date	July 28, 2003
First Named Inventor	Tinku Acharya
Group Art Unit	2621
Examiner Name	Jose L. Couso
Attorney Docket Number	42P8760C

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		HATBOLI, ET AL., "RECURSIVE ESTIMATION OF FACIAL EXPRESSION AND MOVEMENT". Image Coding Group, Department of Electrical Engineering, Linkoping University, Linkoping, Sweden, 1992 IEEE. Pgs: 593-596.
		SHIH-PING LIOU, "MODEL BASED MOTION ESTIMATION USING CONSTRAINED WEIGHTED LEAST SQUARES", Imaging Department, Siemens Corporation Research, Princeton, NJ, 1994 IEEE. Pgs. 810-812.
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		MARCOLACASCIA, ET AL., "HEAD TRACKING VIA ROBUST REGISTRATION IN TEXTURE MAP IMAGES", Computer Science Department, Boston University, Boston, MA, 1998 IEEE, Pgs. 508-514.

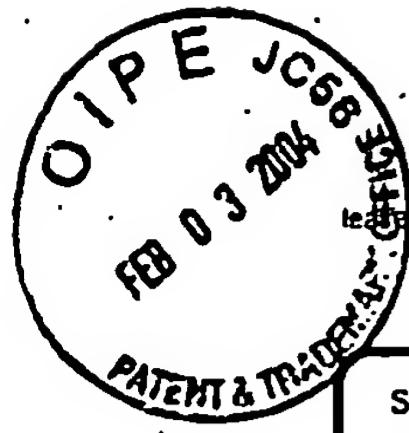
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Sheet 10 of 14

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Application Number	10/629,101
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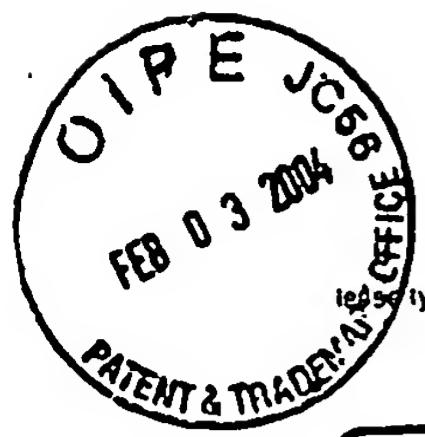
- DEFU CAI, ET AL., "SEVERAL KEY PROBLEMS IN MODEL-BASED IMAGE SEQUENCE COMPRESSION BY USING INTERFRAME AUs CORRELATION", Institute of Electronics, Chinese Academy of Science, Beijing, China, 1994 IEEE, Pgs. 409-413.
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Telecommunications Laboratory, University of Erlangen-Nuremberg, Erlangen, Germany, 1999 IEEE, Pgs. 217-221.

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Sheet 11 of 14

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Application Number 10/629,101
Filing Date July 28, 2003
First Named Inventor Tinku Acharya
Group Art Unit 2621
Examiner Name Jose L. Couso
Attorney Docket Number 42P8760C

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KARSTEN SCHRODER, ET AL., "COMBINED DESCRIPTION OF SHAPE AND MOTION IN AN OBJECT BASED CODING SCHEME USING CURVED TRIANGLES", University of Dortmund, Dortmund, Germany, 1995 IEEE, Pgs. 390-393.

TSUHAN CHEN, ET AL., "A NEW FRAME INTERPOLATION SCHEME FOR TALKING HEAD SEQUENCES", AT&T Bell Laboratories, Holmdel, New Jersey, 1995 IEEE, Pgs. 591-594.

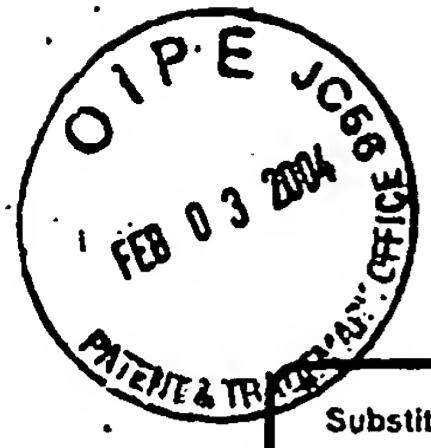
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Sheet	12	of	14	Application Number	10/629,101
				Filing Date	July 28, 2003
				First Named Inventor	Tinku Acharya
				Art Unit	2621
				Examiner Name	Jose L. Couso
				Attorney Docket Number	42P8760C

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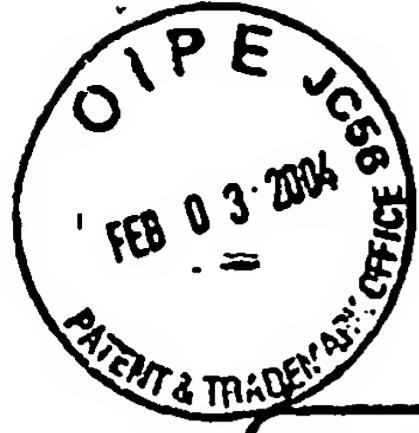
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<i>CL</i>		"Local Motion Tracking in Semantic-Based Coding of Videophone Sequences", IEE, 1997, P.M. Antoszczyzyn, et al., 3 pages	
<i>CL</i>		"Image Sequence Coding at Very Low Bitrates: A Review", H. Li, et al., 1994 IEEE, 11 pages	

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Sheet 13 of 14

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Application Number	10/629,101
Filing Date	July 28, 2003
First Named Inventor	Tinku Acharya
Art Unit	2621
Examiner Name	Jose L. Couso
Attorney Docket Number	42P8760C

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RL Cai, et al., "SEVERAL KEY PROBLEMS IN MODEL-BASED IMAGE SEQUENCE COMPRESSION BY USING INTERFRAME AUs CORRELATION", IEEE 1994, Pgs. 409-413

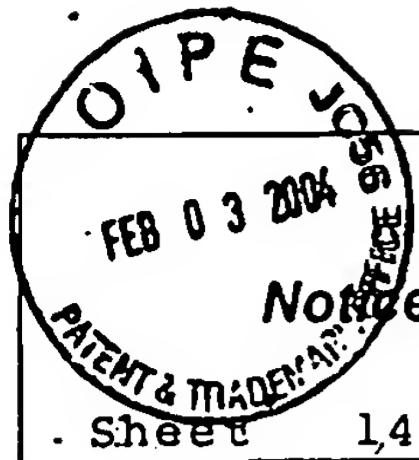
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		Application/Control No.	Applicant(s)/Patent Under Reexamination ACHARYA ET AL.	
		'10/629,101		
Examiner	Jose L. Couso	Art Unit	2621	10/20/03

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-4941193 ✓	07-1990	Barnsley et al.	382/232
	B	US-5065447 ✓	11-1991	Barnsley et al.	382/232
	C	US-5347600	09-1994	Barnsley et al.	382/232
	D	US-5416856	05-1995	Jacobs et al.	382/232
	E	US-5724451	03-1998	Shin et al.	382/240
	F	US-5740282	04-1998	Hurd	382/248
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	H	US-5867221	02-1999	Pullen et al.	348/417.1
	I	US-5982441	11-1999	Hurd et al.	348/417
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